

Migrating from V2 to V3 ShakeCast

[**ShakeCast**](#) V3 accepts facility inventory in both V2 and V3 format. Even though existing ShakeCast users need to update their inventory to take full advantage of the ShakeCast V3 functions, it is possible to jumpstart the process by loading V2 inventory into the V3 system first.

The new Group function of the ShakeCast V3 system uses the same format as the Profile function of V2. The administrator can use the same profile configuration file for direct upload into the V3 system. It is not possible, nor necessary, to export group configuration using the ShakeCast administration interface.

The User function of the ShakeCast V3 system uses the same format as the V2 system. The administrator can use the same profile configuration file for direct upload into the V3 system. However, with the new Group function it is recommended to compile a new user CSV file with proper group definition and association. It is not possible to export a full user inventory using the ShakeCast V2 administration interface only basic information.

Depending on the complexity of user's inventory, it generally falls into three **categories**, each with increasing complexity, as described in the instructions below.

Category 1. V2 Inventory in ShakeCast CSV Format Without Custom Facility Type

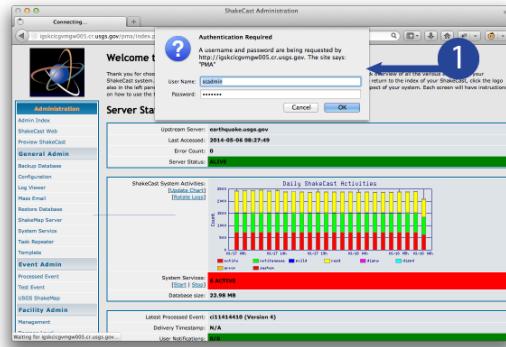
You are in luck. Just use the V3 upload tool as described in the ShakeCast User Guide (Sec. 5.8) to upload individual facility, group, and user inventory.

Category 2. V2 Inventory in ShakeCast CSV Format With Custom Facility Type

You will need to define custom facility types in the V3 system first then use **Category 1** to upload individual facility, group, and user inventory. Finish after **Step 6**.

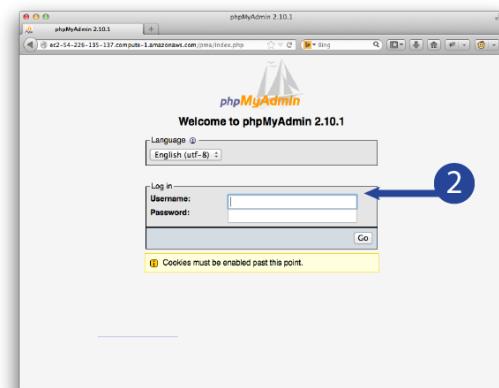
From the ShakeCast V2 administration interface

- 1** Change the URL from `/admin/index.php` to `/pma/index.php`. Use the ShakeCast administrator credentials for authentication to access the phpMyAdmin database interface



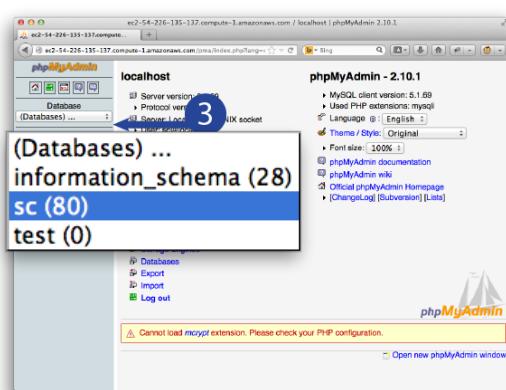
Access the phpMyAdmin database interface

- 2** Enter the ShakeCast database credentials, default "sc" for both username and password



Select the ShakeCast database

- 3** From the phpMyAdmin interface, select the ShakeCast database **sc** from the pull-down panel in the left navigation panel



Select the Facility Type Table

- 4 From the ShakeCast database view, select the table **facility_type** from the left table list panel

The screenshot shows the phpMyAdmin interface with the database 'sc' selected. In the left sidebar, the 'Tables' section lists various tables, with 'facility_type' highlighted. A large blue circle with the number '4' is positioned over the 'facility_type' entry.

Table	Action	Records	Type	Collation
administrator_role		0	MyISAM	latin1_swedish_ci
aggregation_counted		1	MyISAM	latin1_swedish_ci
aggregation_grouped		2	MyISAM	latin1_swedish_ci
aggregation_measured		2	MyISAM	latin1_swedish_ci
config		4	MyISAM	latin1_swedish_ci
damage_level		4	MyISAM	latin1_swedish_ci
delivery_method		6	MyISAM	latin1_swedish_ci
delivery_status		7	MyISAM	latin1_swedish_ci
dispatch_task		65,332	MyISAM	latin1_swedish_ci
event		1,312	MyISAM	latin1_swedish_ci
event_status		4	MyISAM	latin1_swedish_ci
facility		194	MyISAM	latin1_swedish_ci
facility_attribute		457	MyISAM	latin1_swedish_ci
facility_feature		4	MyISAM	latin1_swedish_ci
facility_fragility		784	MyISAM	latin1_swedish_ci
facility_fragility_model		65	MyISAM	latin1_swedish_ci
notification		0	MyISAM	latin1_swedish_ci

Select Insert New Facility Type Function

- 5 With the **facility_type** table highlighted, select the **Insert** function near the top of the table schema page

The screenshot shows the phpMyAdmin interface with the 'facility_type' table selected. The top navigation bar has 'Insert' highlighted. A large blue circle with the number '5' is positioned over the 'Insert' button.

Table: facility_type

Structure

Field	Type	Collation	Attributes	Null	Default	Extra
FACILITY_TYPE	varchar(10)	latin1_swedish_ci		No		
NAME	varchar(30)	latin1_swedish_ci		No		
DESCRIPTION	varchar(255)	latin1_swedish_ci	Yes	NULL		
UPDATE_USERNAME	varchar(30)	latin1_swedish_ci	Yes	NULL		
UPDATE_TIMESTAMP	datetime		Yes	NULL		

Indexes:

Keyname	Type	Cardinality	Action	Field	Type	Usage
PRIMARY	PRIMARY	1		FACILITY_TYPE	data	9,428 B
		1			index	9,120 B
		1			Total	18,548 B

Row Statistics

Statements	Value
Format	dynamic
Collection	latin1_swedish_ci
Rows	159
Row length avg	141
Row size avg	96 B
Creation	Aug 08, 2013 at 03:45 PM
Last update	Aug 10, 2013 at 06:20 PM

Insert New Facility Type Entries

- 6 Enter required **FACILITY_TYPE** and **NAME** fields for each custom facility type defined in user's ShakeCast V2 system. The other fields are optional.

The screenshot shows the phpMyAdmin 'Insert' form for the 'facility_type' table. The 'FACILITY_TYPE' field is highlighted with a blue arrow pointing to it. The 'NAME' field is also highlighted with a blue arrow pointing to it. A large blue circle with the number '6' is positioned over the 'FACILITY_TYPE' field.

Table: facility_type

Insert

Field	Type	Null	Value
FACILITY_TYPE	varchar(10)		
NAME	varchar(30)		
DESCRIPTION	varchar(255)		
UPDATE_USERNAME	varchar(30)		
UPDATE_TIMESTAMP	datetime		

Ignores:

Field	Type	Function	Null	Value
FACILITY_TYPE	varchar(10)			
NAME	varchar(30)			
DESCRIPTION	varchar(255)			
UPDATE_USERNAME	varchar(30)			
UPDATE_TIMESTAMP	datetime			

Buttons:

- Insert as new row
- and then
- Go back to previous page
- Go
- Reset

Results of Facility Type Insert

- 7 Each **FACILITY_TYPE** entry must be unique. Results of database query will be displayed to verify each facility type insert.

The screenshot shows the phpMyAdmin interface for the 'facility_type' table. The status bar at the top indicates 'Inserted rows: 1'. The SQL query entered was:

```
INSERT INTO `facility_type`(`FACILITY_TYPE`, `NAME`, `DESCRIPTION`, `UPDATE_USERNAME`, `UPDATE_TIMESTAMP`)
VALUES('FAC_TEST', 'Test Facility', NULL, NULL, NULL)
```

The results pane shows the inserted row:

FACILITY_TYPE	NAME	DESCRIPTION	UPDATE_USERNAME	UPDATE_TIMESTAMP
FAC_TEST	Test Facility	NULL	NULL	NULL

Verify Facility Type Entries from the phpMyAdmin interface

- 8 With the “facility_type” table highlighted, select the **Browse** function near the top of the table schema page and navigate to the end of the table to verify the new entries.

The screenshot shows the facility_type table in browse mode. The last row is highlighted in green and labeled 'FAC_TEST Test Facility NULL NULL NULL'. The table structure includes columns for FACILITY_TYPE, NAME, DESCRIPTION, UPDATE_USERNAME, and UPDATE_TIMESTAMP.

	FACILITY_TYPE	NAME	DESCRIPTION	UPDATE_USERNAME	UPDATE_TIMESTAMP
1	SINGLERAM	Single Family Home	Single family home	pan	2003-01-01 00:00:00
2	SLBT	Slab & Buttress	Slab & buttress	deb	2004-08-26 12:07:29
3	STRUCTURE	Structure	A general structure	pan	2003-01-01 00:00:00
4	TANK	Concrete Tank	Tank or reservoir for	pan	2003-01-01 00:00:00
5	TUNNEL	Concrete Tunnel	Tunnel	pan	2003-01-01 00:00:00
6	UNKNOWN	Unknown	The type of the facility is unknown	pan	2003-01-01 00:00:00
7	VARA	Variable Radius Arch	Variable radius arch	deb	2004-08-26 12:10:24
8	VA_HOSP	VA Hospital	NULL	kel	2007-02-21 09:35:12
9	NPP	Nuclear Power Plant	NULL	webadmin	2013-08-10 18:20:15
10	FAC_TEST	Test Facility	NULL	NULL	NULL

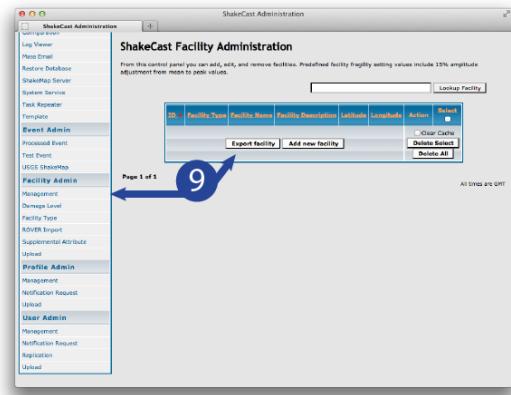
Category 3. V2 Inventory Only in the ShakeCast Database

You will export your inventory from the V2 first then use **Category 1** and **2** to upload individual facility, group, and user inventory.

To export facilities from the ShakeCast:

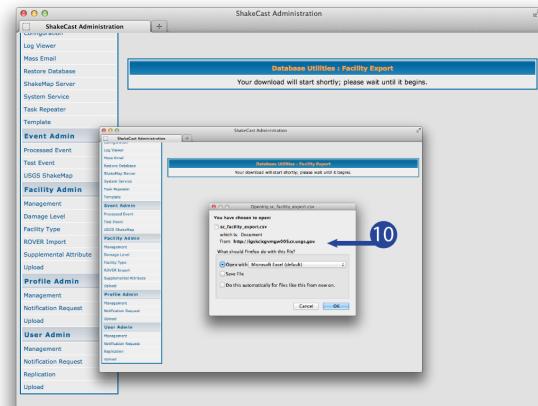
From the ShakeCast V2 administration interface

- 9** Select Facility Admin **Management** in the left navigation panel and choose the **export facility** function



Save the Facility Export CSV

- 10** Save the facility export CSV file "sc_facility_export" when prompted for file handling



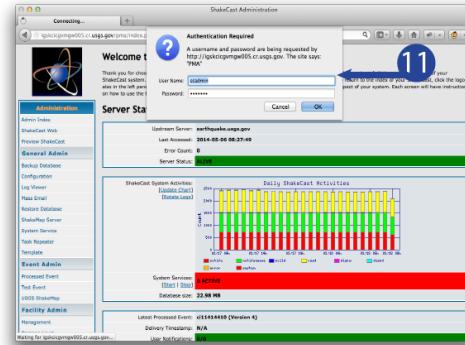
For custom facility types, follow Category 2 to create custom facility types

Follow Category 1 to upload facility inventory

Export Basic User Information from the ShakeCast V2 system

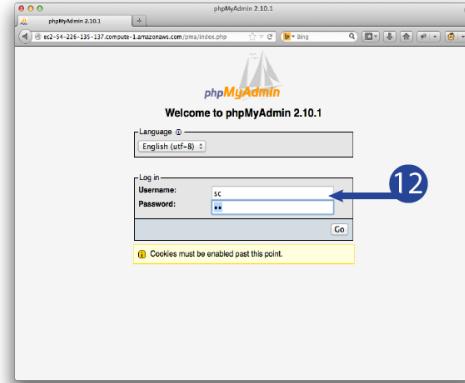
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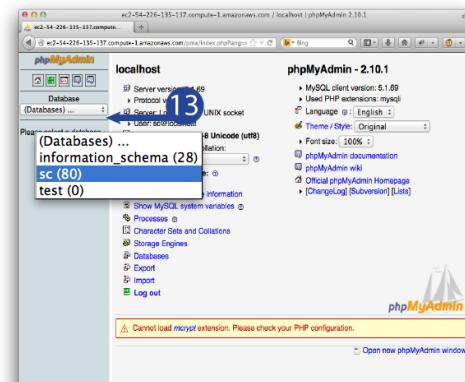
Access the phpMyAdmin database interface

- 12** Enter the ShakeCast database credentials, default “sc” for both username and password



Select the ShakeCast database

- 13** From the phpMyAdmin interface, select the ShakeCast database **sc** from the pull-down panel in the left navigation panel



Select the ShakeCast User Table

- 14 From the ShakeCast database view, select the table **shakecast_user** from the left table list panel

Table: shakecast_user

Field	Type	Collation	Attributes	Null	Default	Extra
SHAKECAST_USER	int(11)	latin1_swedish_ci		No		auto_increment
EMAIL_ADDRESS	varchar(255)	latin1_swedish_ci		Yes	NULL	
PHONE_NUMBER	varchar(32)	latin1_swedish_ci		Yes	NULL	
FULL_NAME	varchar(32)	latin1_swedish_ci		Yes	NULL	
PASSWORD	varchar(64)	latin1_swedish_ci		Yes	NULL	
USERNAME	varchar(10)	latin1_swedish_ci		Yes	NULL	
USER_TYPE	varchar(10)	latin1_swedish_ci		No		
UPDATE_USERNAME	varchar(32)	latin1_swedish_ci		Yes	NULL	
UPDATE_TIMESTAMP	datetime			Yes	NULL	

Indexes:

Keyname	Type	Cardinality	Action	Field
PRIMARY	PRIMARY	4		SHAKECAST_USER

Row Statistics:

Statements	Value
Format	qpscan
Collection	latin1_swedish_ci
Rows	4

Space usage:

Type	Usage
Data	3,934 B
Index	2,948 B
Total	7,882 B

Select Export Function

- 15 With the **shakecast_user** table highlighted, select the **Export** function near the top of the table schema page

Table: shakecast_user

Export:

- CSV (selected)
- For MS Excel
- Microsoft Excel 2000
- Microsoft Word 2000
- LaTeX
- Open Document Spreadsheet
- Open Document Text
- PDF
- SQL
- XML

CSV options:

- Fields terminated by: ,
- Fields enclosed by: "
- Fields escaped by: \
- Lines terminated by: AUTO
- Replace NULL by: NULL
- Put fields names in the first row (checked)

Dump 4 row(s) starting at record # 0.

Save as file:

File name template: TABLE_(remember template)

Compression: None, zipped, gzipped, bzipped

Save User Inventory with Basic Information

- 16 To save the user file in CSV format, choose the **CSV** option, "," as field termination, check to include the header line, and save the output into a file.

CSV options:

- Fields terminated by: ,
- Fields enclosed by: "
- Fields escaped by: \
- Lines terminated by: AUTO
- Replace NULL by: NULL
- Put fields names in the first row (checked)

Dump 4 row(s) starting at record # 0.

Save as file:

File name template: TABLE_(remember template)

Compression: None, zipped, gzipped, bzipped

(1) This value is interpreted as time, so you can use time formatting strings. Additionally the following transformations